

$AU = A(1 + DISC)$   
 $AL = A(1 - DISC)$   
 $AUM = AU \text{ Uamp}$   
 $ALM = AL \text{ Lamp}$   
 $EUM = EC + (EU - EC) \text{ Upos}$   
 $ELM = EC + (EC - EL) \text{ Lpos}$

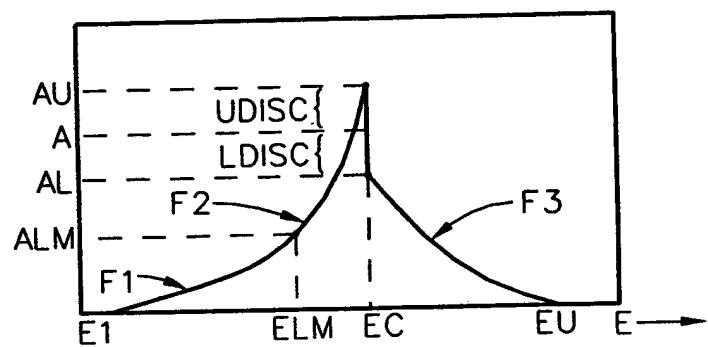


FIG. 4b

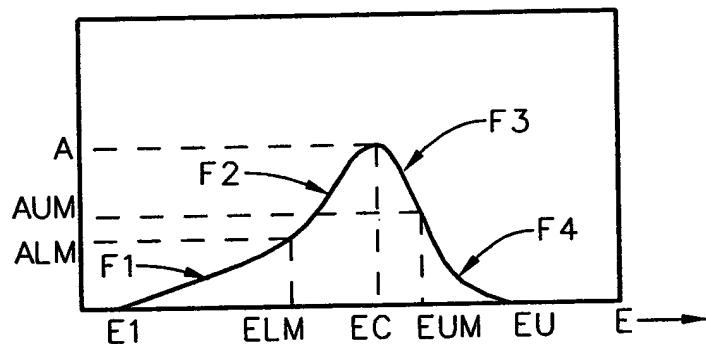


FIG. 4c

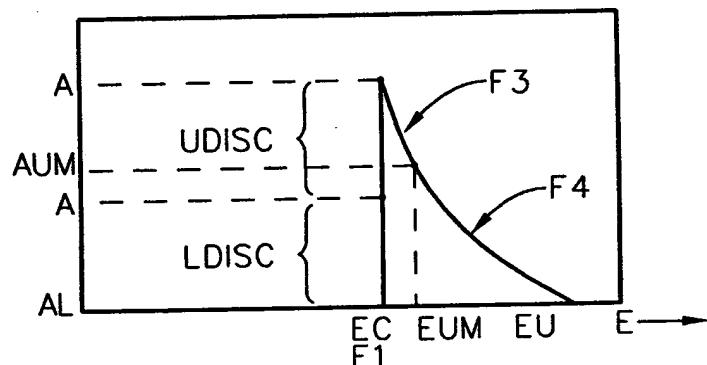


FIG. 4d

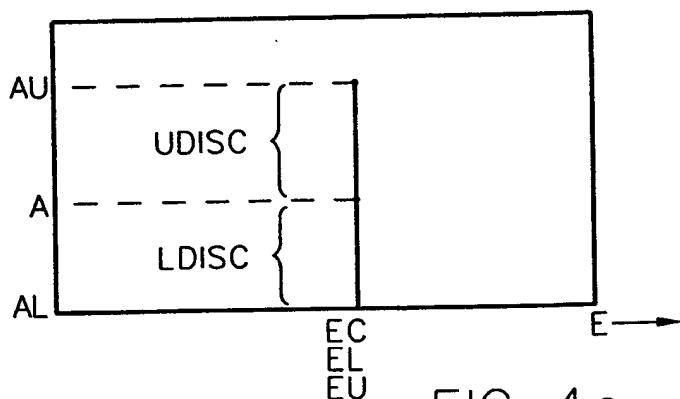


FIG. 4e

Lorentz Oscillator  
Amp=1, Br=0.5, En=3

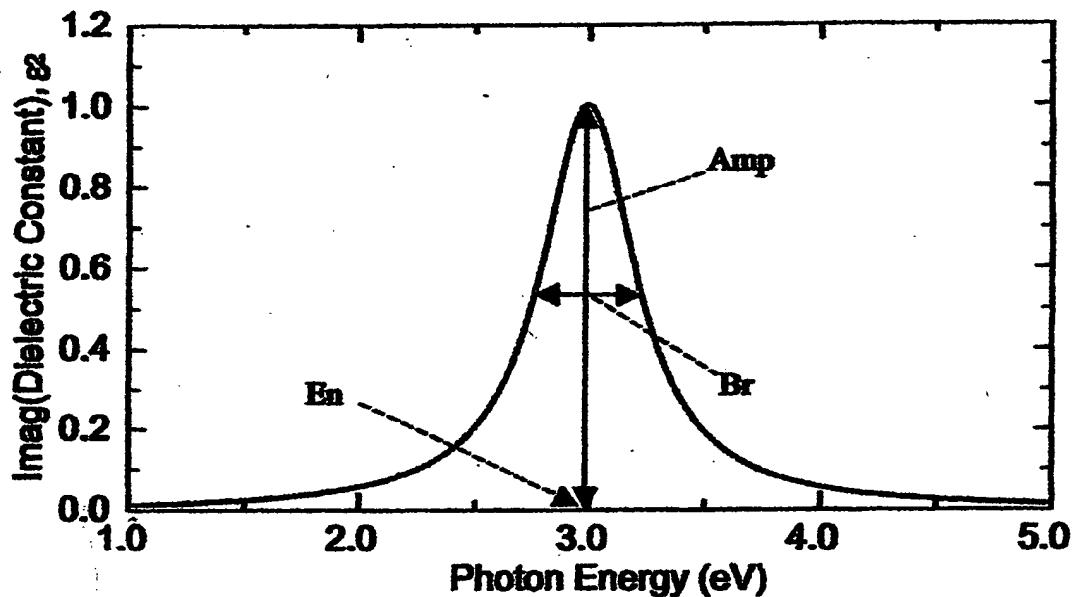


FIG. 4f

Gaussian Oscillator  
Amp=1, Br=0.5, En=3

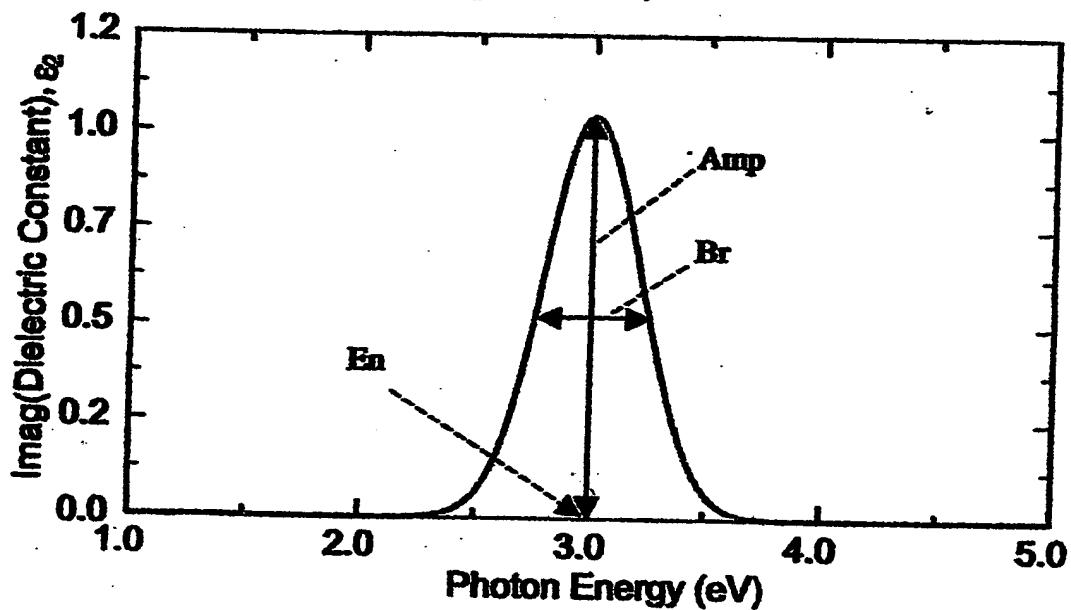


FIG. 4g

Ionic1 Oscillator  
 $\epsilon_{dc}=10$ ,  $\epsilon_{to}=6$ ,  $\epsilon_r=30$ ,  $\epsilon_{inf}=6$

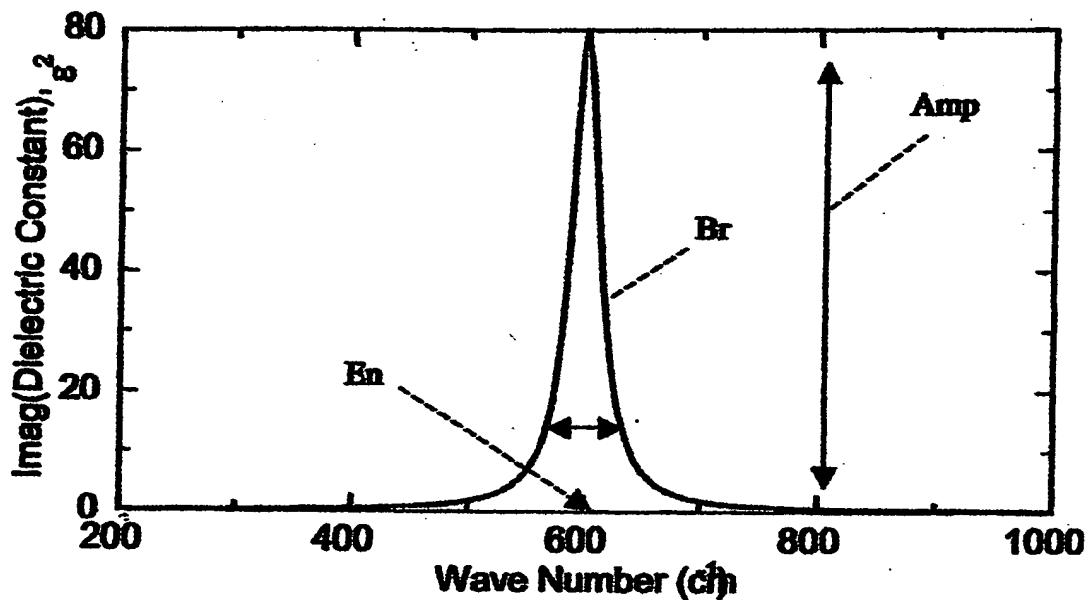


FIG. 4h

Ionic2 Oscillator  
 $\epsilon_{dc}=10$ ,  $\epsilon_{to}=600$ ,  $\epsilon_r=30$ ,  $\epsilon_{lo}=775$

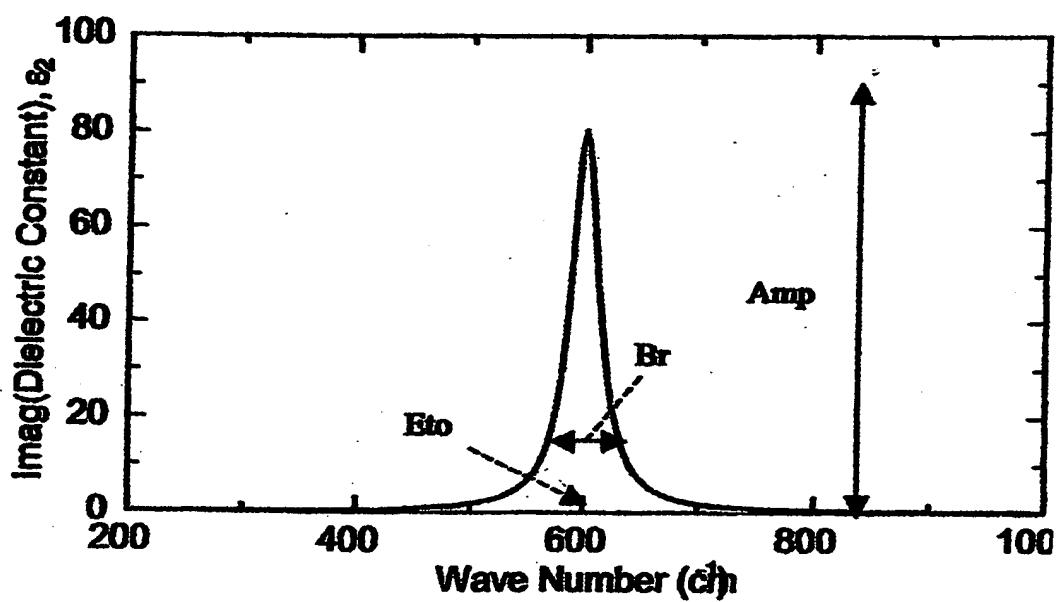


FIG. 4i

**Harmonic Oscillator**

Amp=1, Br=0.5, En=3

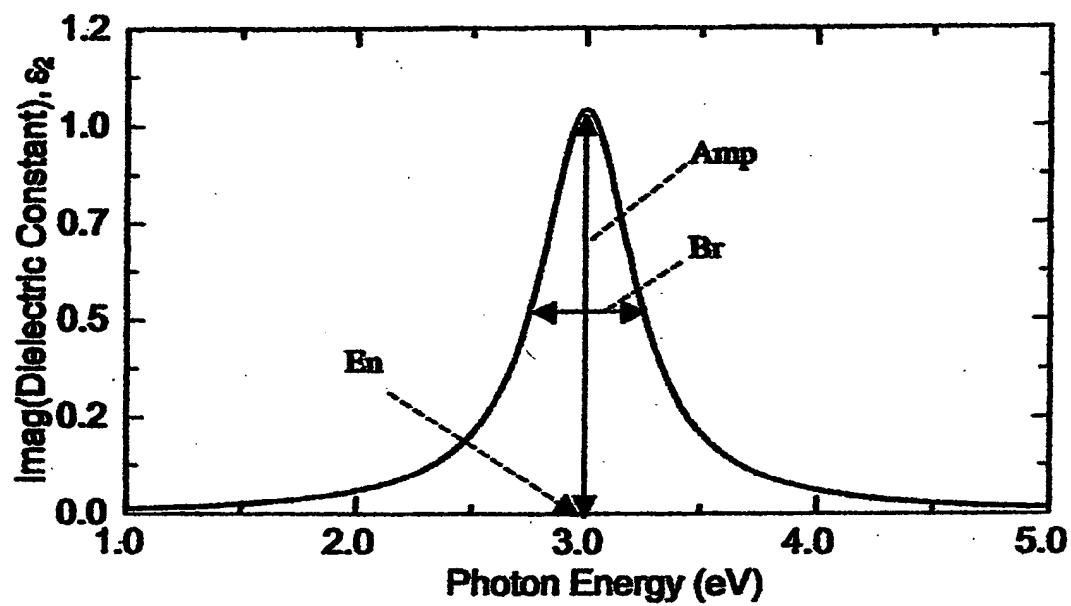


FIG. 4 j

**TOLO Oscillator**

Amp=6, Eto=550, Bto=60, Blo=700, Bio=90

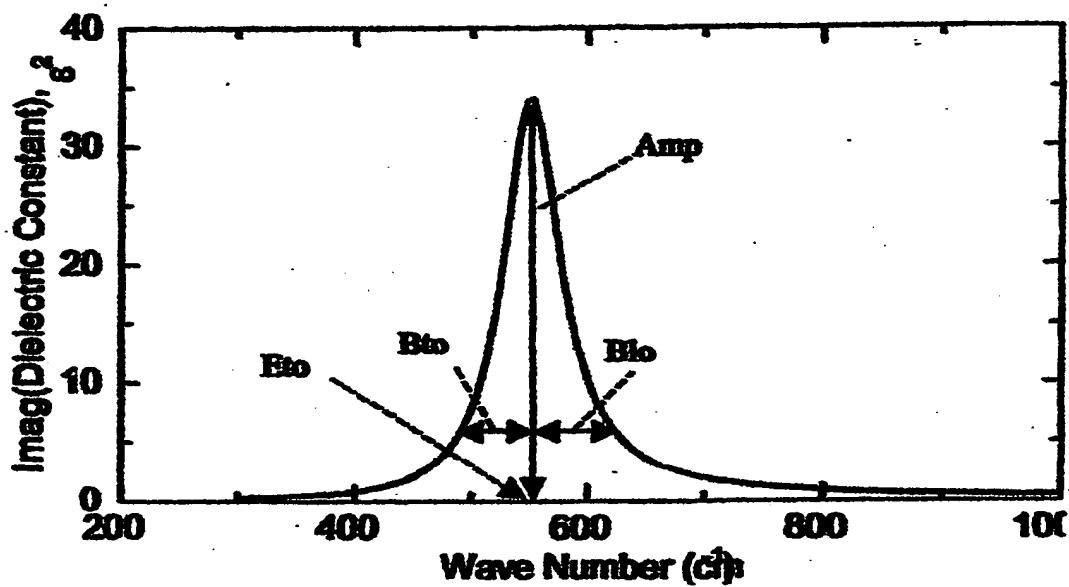


FIG. 4 k

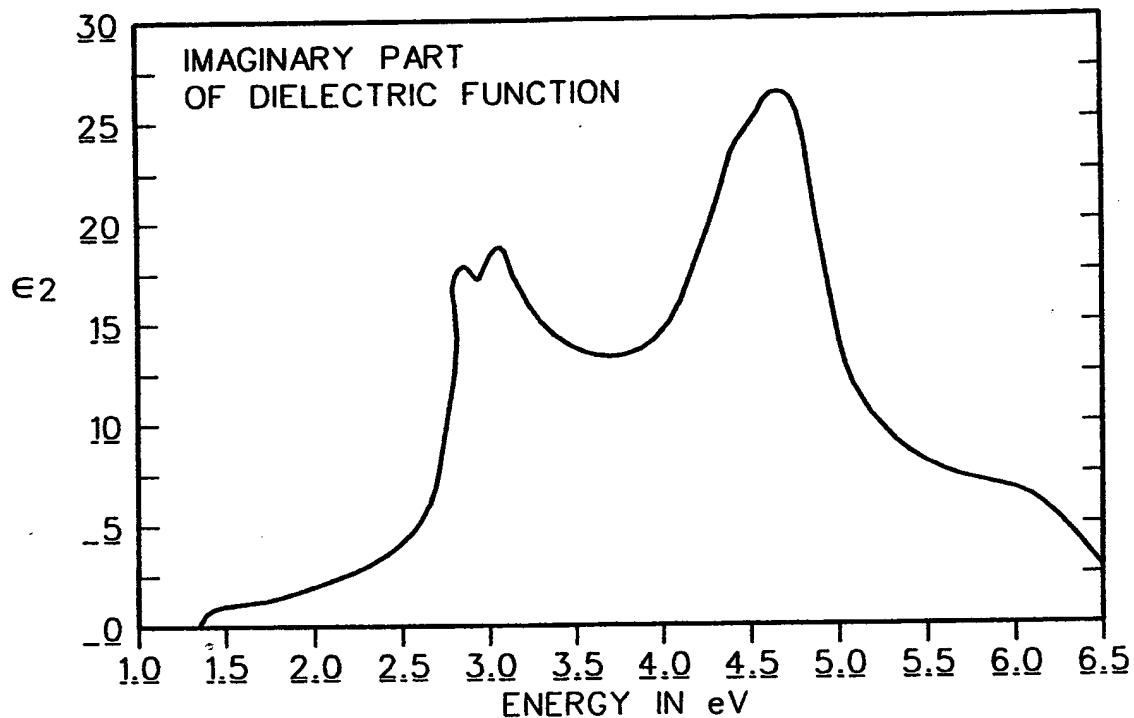


FIG. 5

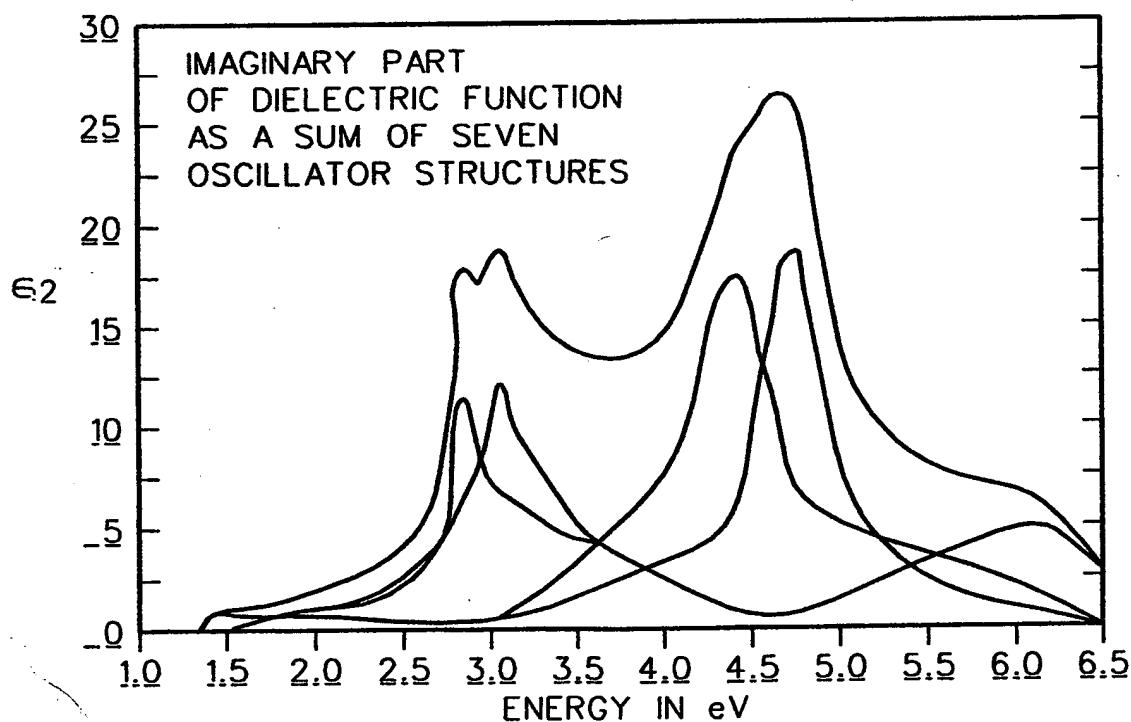


FIG. 6

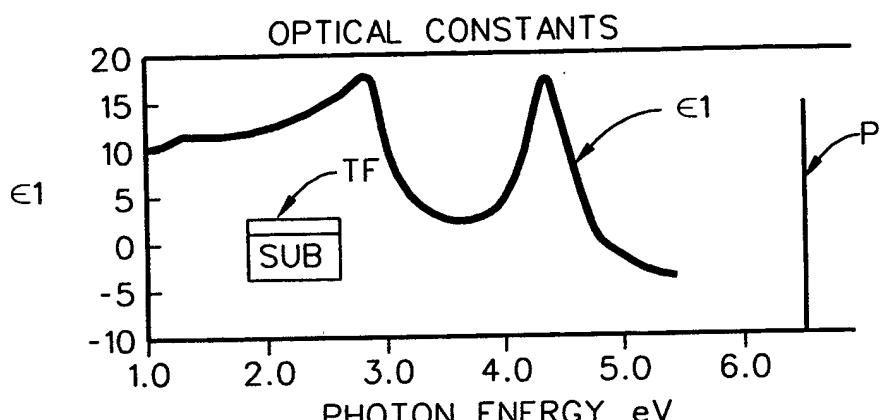


FIG. 7

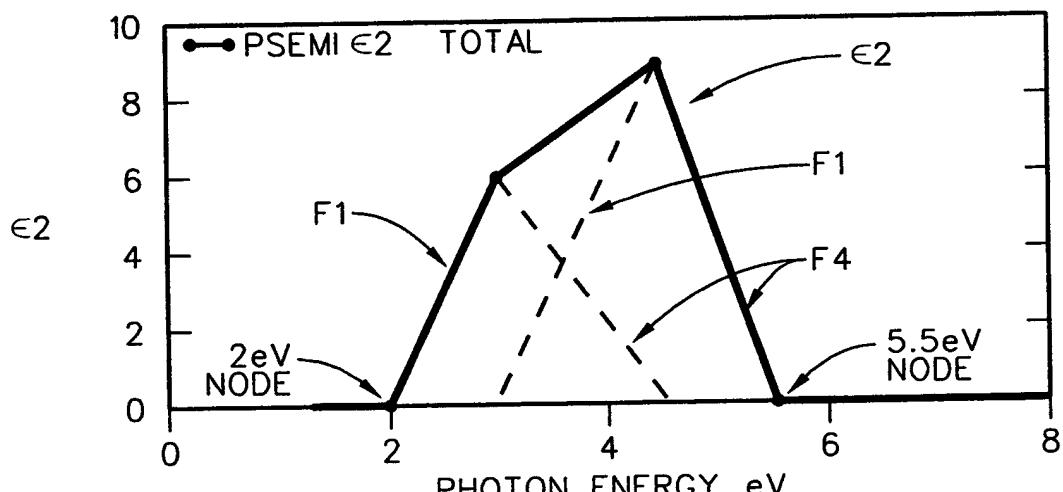


FIG. 8a

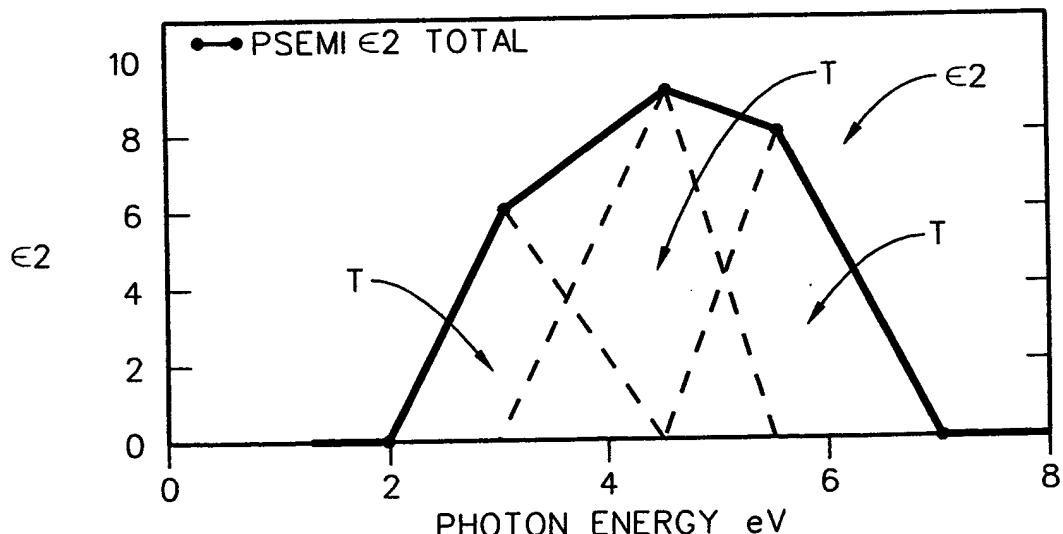


FIG. 8b

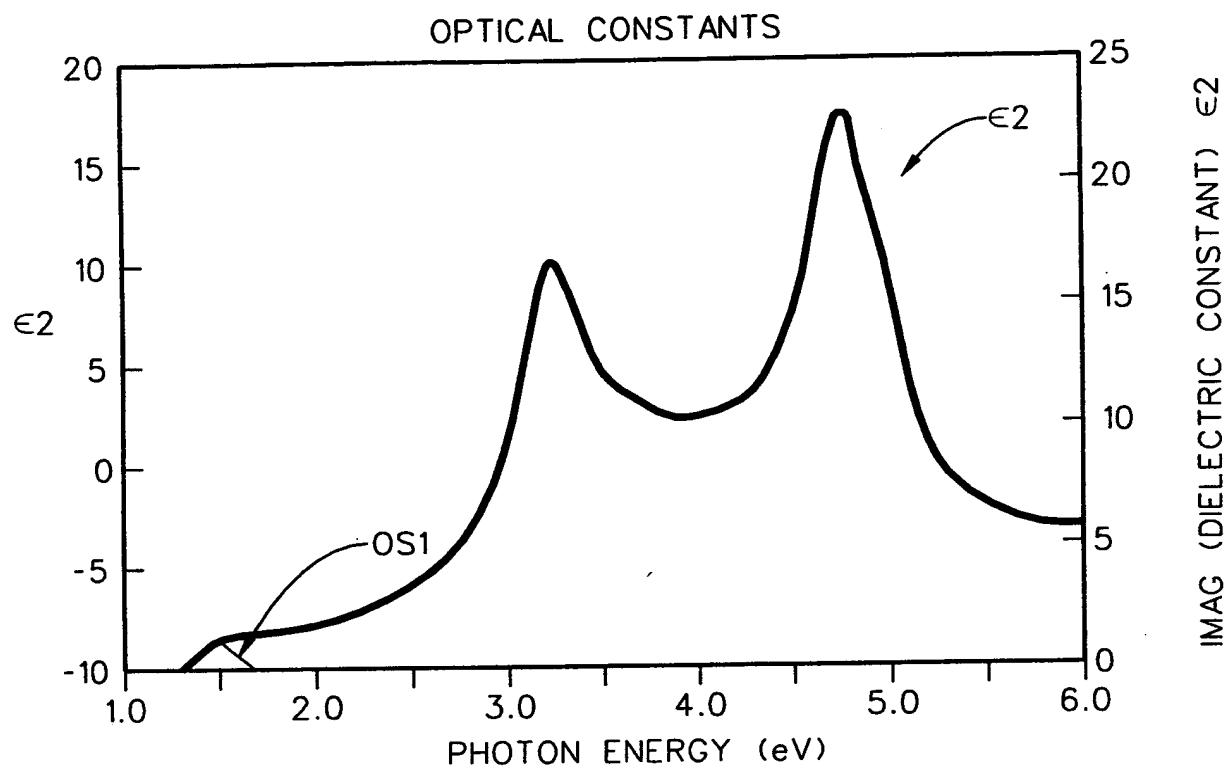


FIG. 8c

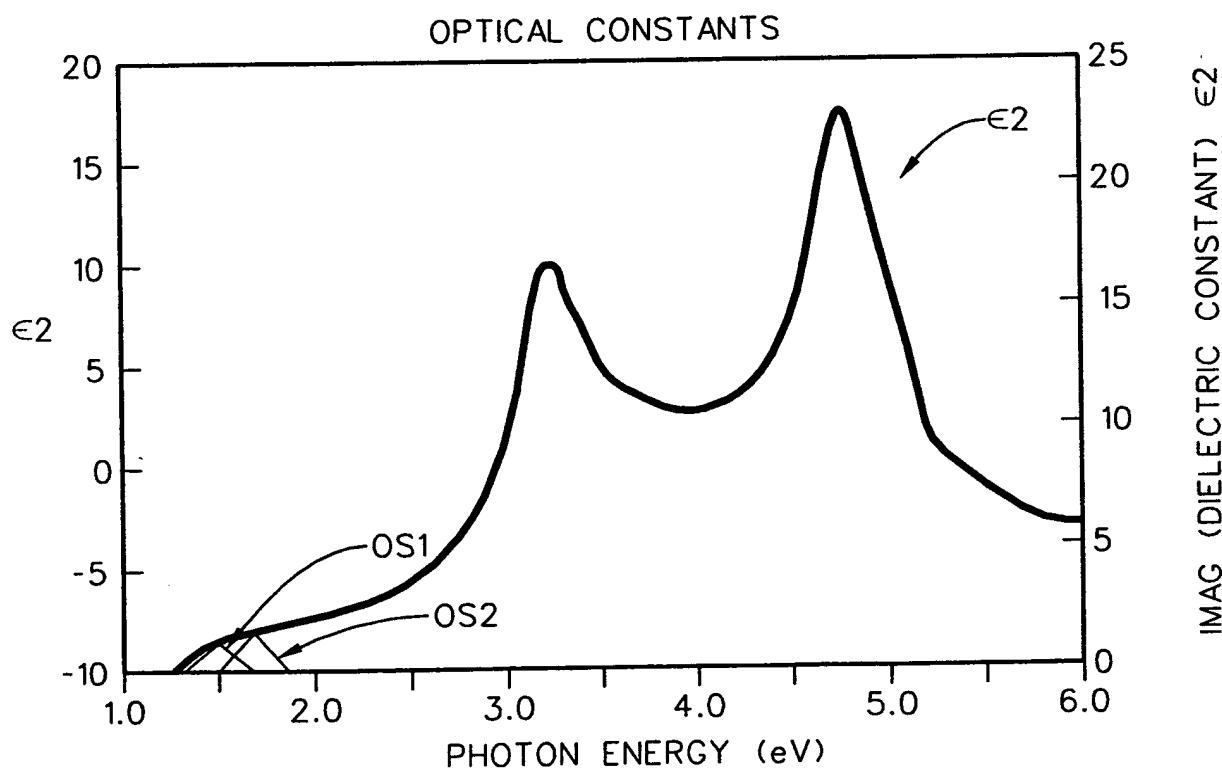


FIG. 8d

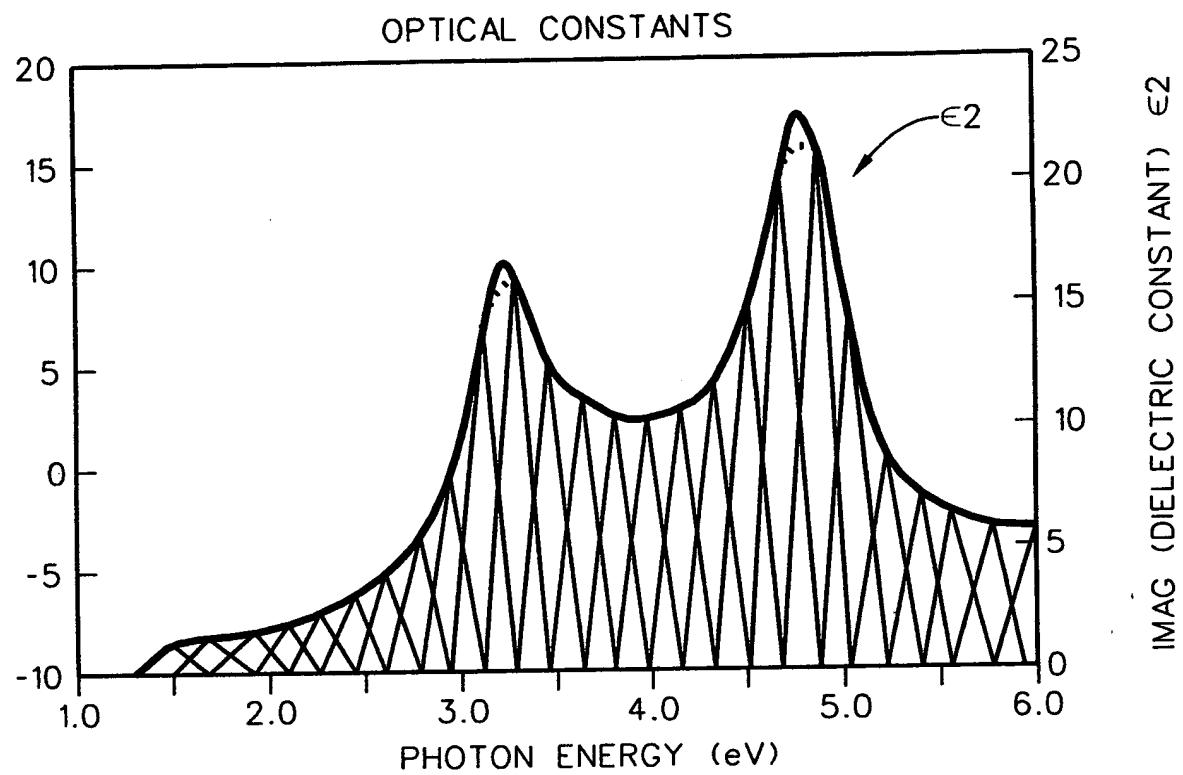


FIG. 8e

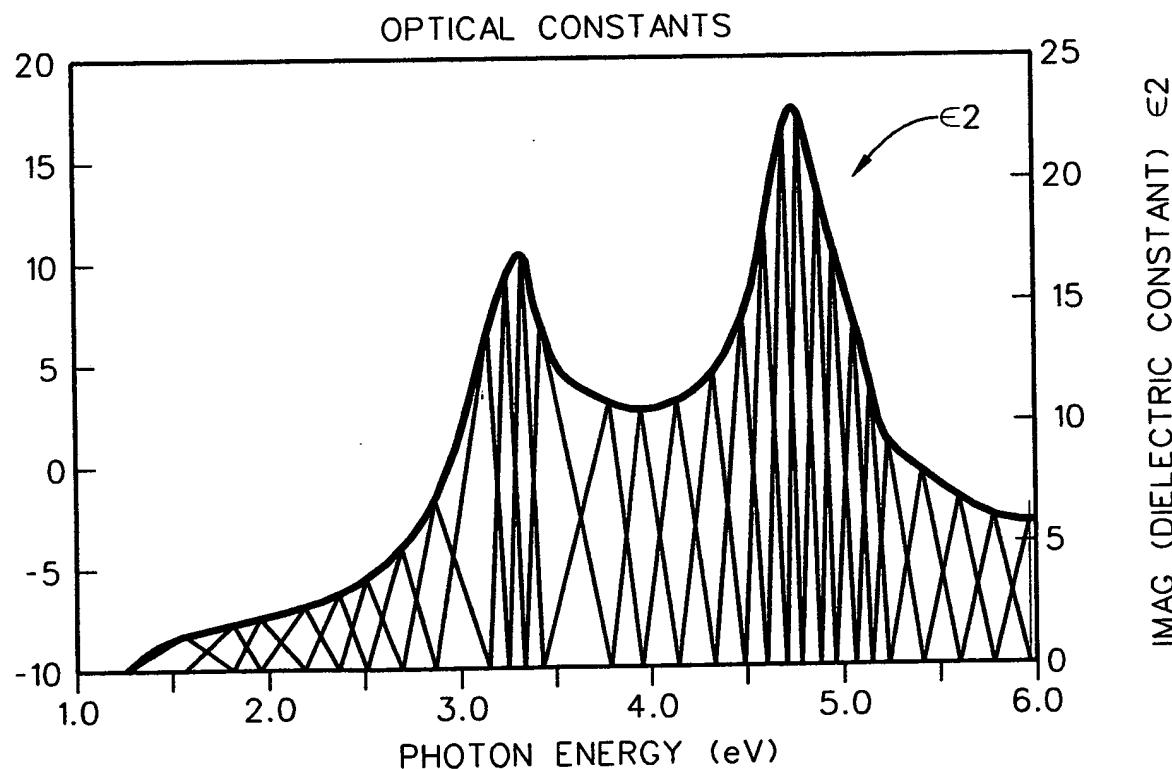


FIG. 8f

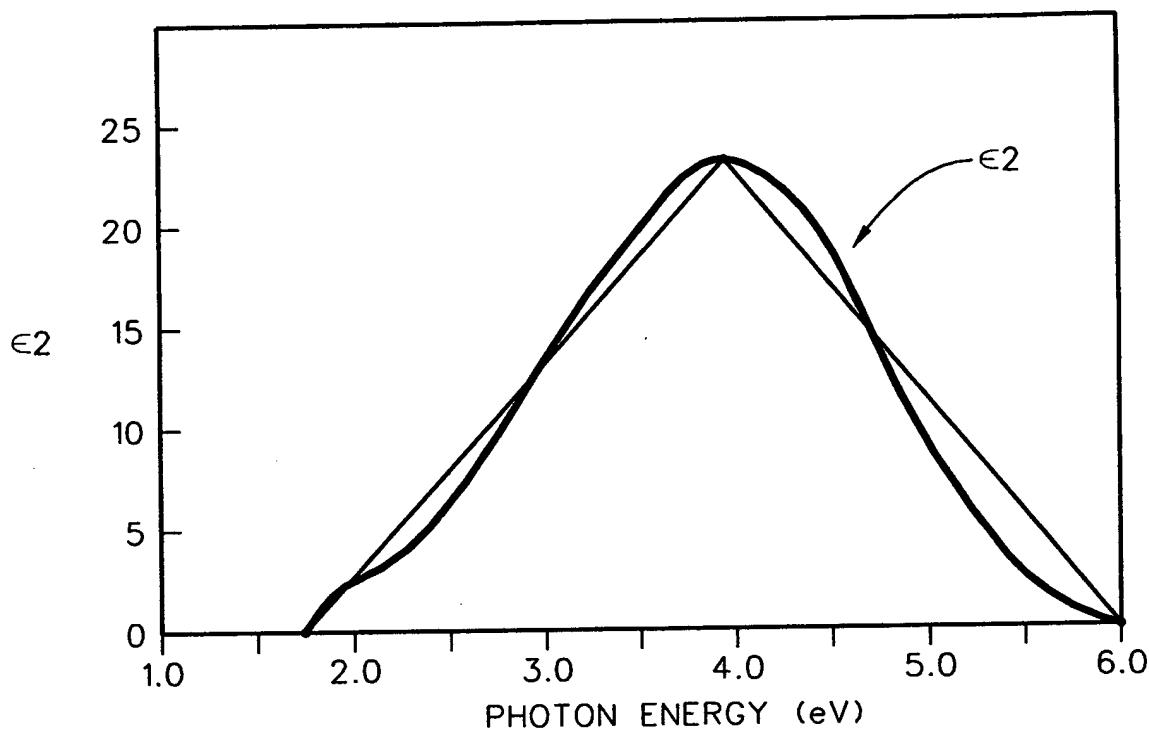


FIG. 8g

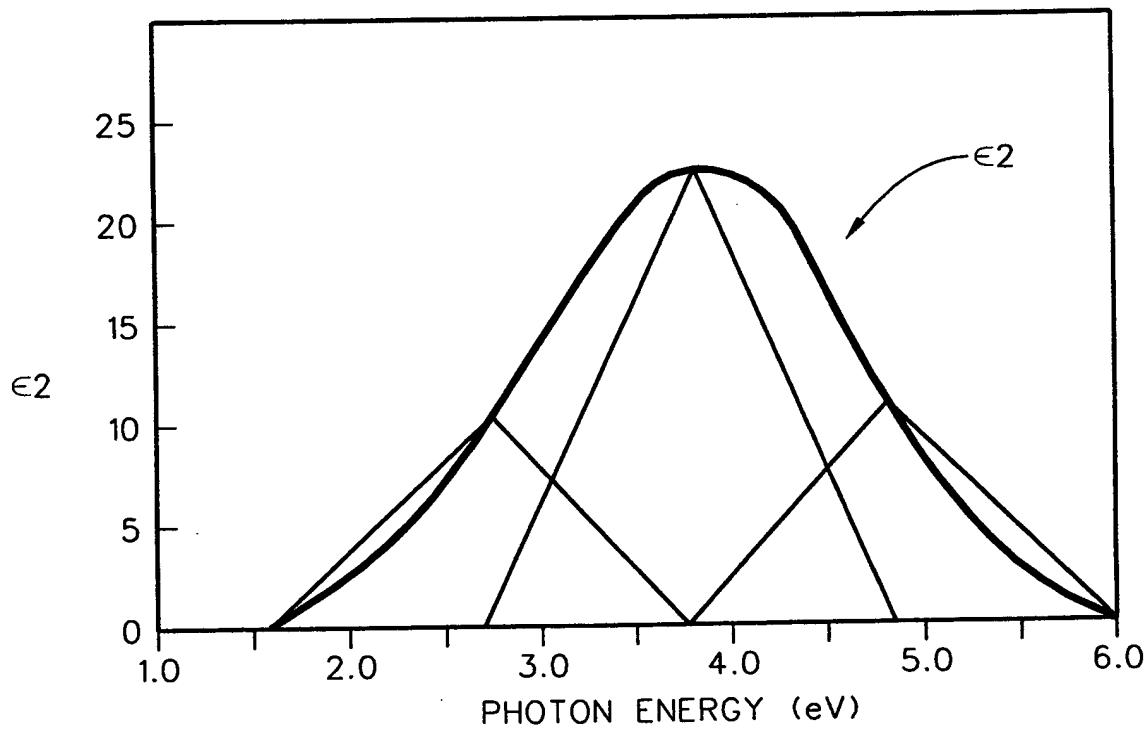


FIG. 8h

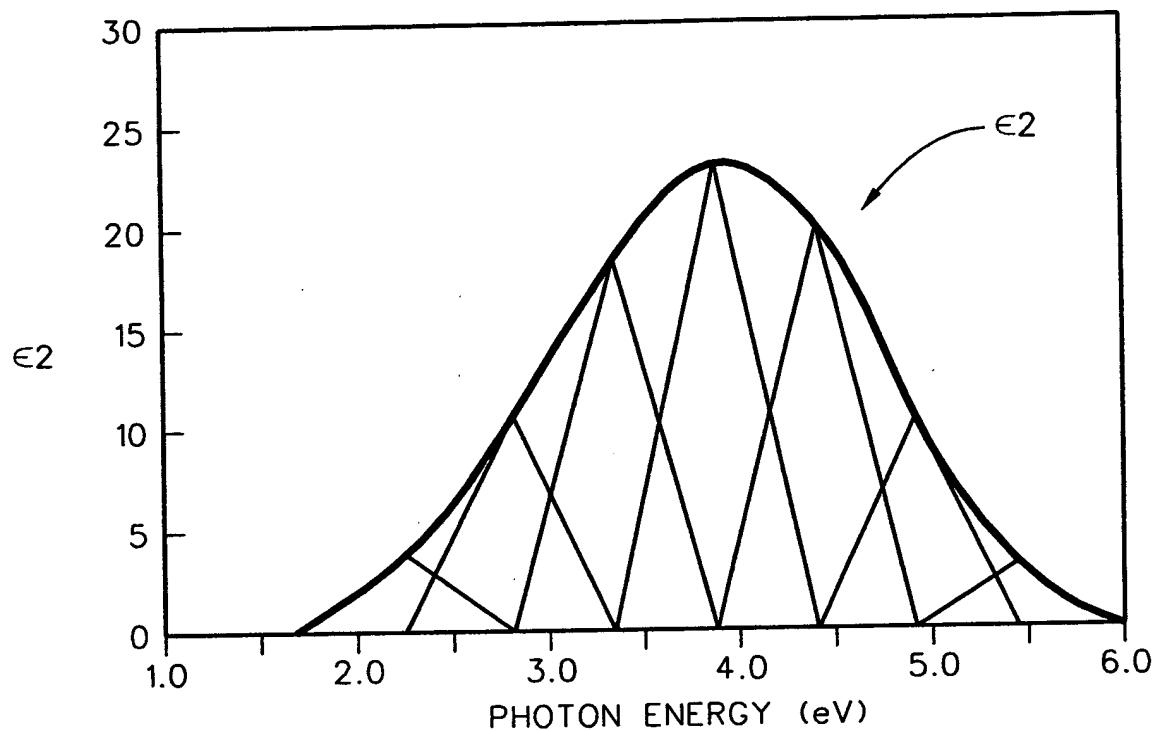


FIG. 8i

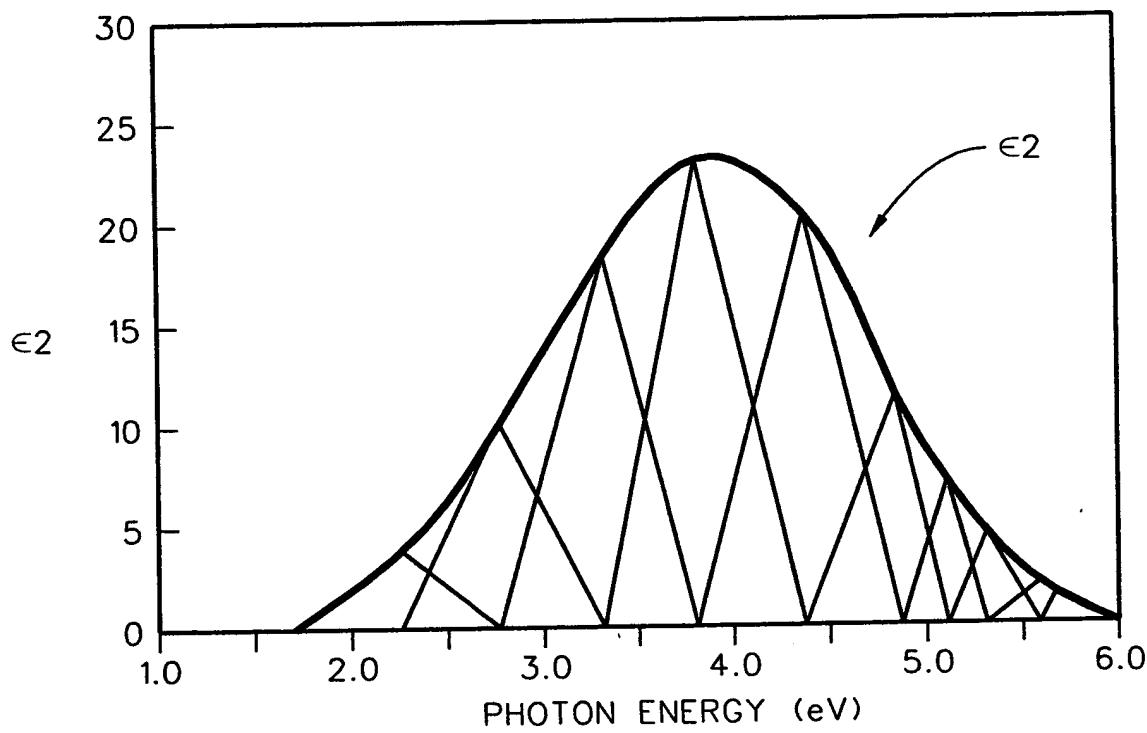


FIG. 8j

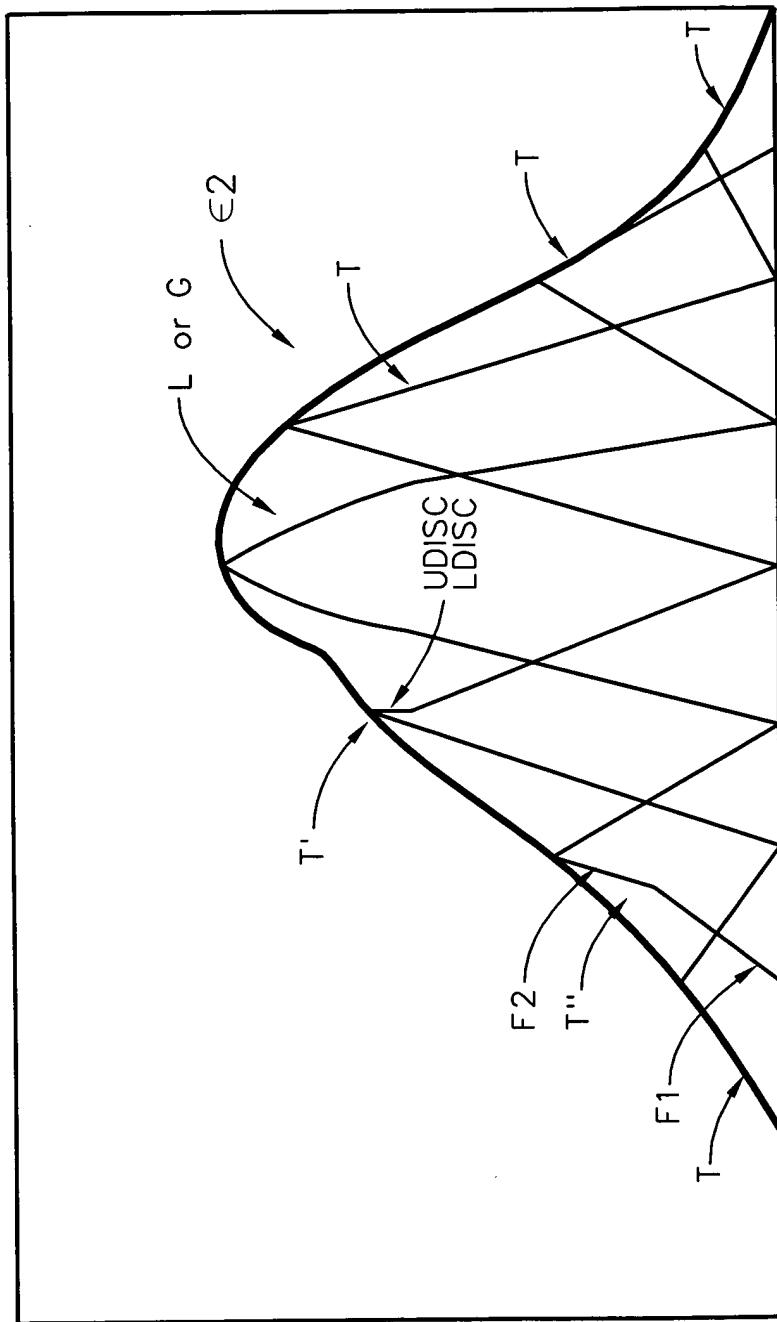


FIG. 8k